

Title (en)
WIDE-BAND ANTENNA

Title (de)
BREITBANDANTENNE

Title (fr)
ANTENNE À LARGE BANDE

Publication
EP 3259806 A2 20171227 (EN)

Application
EP 16713988 A 20160218

Priority
• US 201562118122 P 20150219
• IB 2016050889 W 20160218

Abstract (en)
[origin: US2016248161A1] A multiple-input multiple-output antenna is provided. The antenna may include, but is not limited to, at least one first dipole antenna including a first dipole arm, a second dipole arm, and a balun, the balun including a first bent conductive and a second bent conductive, and at least one second dipole antenna, the at least one second dipole antenna including a third dipole arm, a fourth dipole arm, a u-shaped balun galvanically coupled to the third dipole arm and the fourth dipole arm, a first conductive element galvanically isolated from the third dipole arm, the fourth dipole arm and the u-shaped balun, the first conductive element configured to capacitively couple to the third and fourth dipole arms, and a second conductive element galvanically connected to the u-shaped balun, the second conductive element configured to capacitively couple to the third dipole arm.

IPC 8 full level
H01Q 9/16 (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/24** (2006.01)

CPC (source: EP US)
H01P 5/10 (2013.01 - EP US); **H01Q 5/15** (2015.01 - EP US); **H01Q 5/364** (2015.01 - EP US); **H01Q 5/378** (2015.01 - EP US);
H01Q 9/16 (2013.01 - EP); **H01Q 9/26** (2013.01 - EP US); **H01Q 21/062** (2013.01 - EP US); **H01Q 21/24** (2013.01 - EP US);
H01Q 21/28 (2013.01 - EP US); **H01Q 25/001** (2013.01 - EP US); **H01Q 9/20** (2013.01 - EP US)

Citation (search report)
See references of WO 2016132323A2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 10439289 B2 20191008; **US 2016248161 A1 20160825**; CN 107534209 A 20180102; EP 3259806 A2 20171227;
WO 2016132323 A2 20160825; WO 2016132323 A3 20161013

DOCDB simple family (application)
US 201615046988 A 20160218; CN 201680022594 A 20160218; EP 16713988 A 20160218; IB 2016050889 W 20160218